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milk

**PRODUCTION,
DISPOSITION,
AND INCOME**

1970 - 71

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C O N T E N T S

	<u>Page</u>
Comments	3
Tables:	
Annual production, disposition, and income:	
United States, 1961-71	4
By States, 1970	6
By States, 1971	10
Utilization of milk, United States, 1966-71	14
Fluid grade milk as percent of all milk sold, by regions, 1962-71	15

April 20, 1972

Cash receipts from marketings of milk and cream in 1971 were a record high of \$6.8 billion. Increased marketings and higher prices were responsible for the increase from \$6.5 billion in 1970. Total milk production for 1971 was 118,640 million pounds, 1 percent above the previous year.

Record-high cash receipts

Milk producers' cash receipts from milk and cream were \$6,815 million, up 4 percent from the previous high of last year. Cash receipts increased in all of the 10 leading producing States. Wisconsin led, followed by New York, California, Pennsylvania and Minnesota. These 5 States accounted for 45 percent of the total cash receipts for milk and cream in 1971. Returns for combined marketings of milk and cream averaged \$5.94 per hundredweight, exceeding the previous record of 1970 by 16¢. Cash receipts from milk sold to plants and dealers totaled \$6,581 million, an increase of 5 percent from 1970. Returns from the sale of cream, at \$25 million, were down 17 percent from the previous year, continuing the downward trend for this item. Direct sales to consumers totaled \$209 million, 3 percent below 1970. Value of milk used in farm households in 1971 is estimated at \$132 million, down 6 percent from the previous year. The farm value of all milk produced in 1971 is \$7,043 million, a 4 percent increase from a year earlier.

Marketings by producers increased 1.5 percent in 1971

Milk and cream marketed by producers totaled 114.8 billion pounds of milk equivalent in 1971, up 1.5 percent from 1970. These marketings consist of whole milk and farm-separated cream sold to plants and dealers, as well as milk sold directly to consumers. Marketings of whole milk to plants, at 112.2 billion pounds, were 2 percent above 1970.

Farm use of milk continues downward

Milk used for all purposes on farms where produced is estimated at 3.8 billion pounds, 6 percent less than the previous year. Of the milk used on farms in 1971, 57 percent was consumed in farm households as fluid milk, cream and farm-churned butter while 43 percent was fed to calves.

(Continued on page 15)

The following changes in milk production, disposition and income estimates, as announced in October 1971, are effective with this report. 1. Estimates of farm-churned butter by States are discontinued. 2. Milk used on farms for farm-churned butter is combined with milk consumed as fluid milk and cream.

Milk cows and production of milk, milkfat, and butter on farms, United States, 1961-71

Year	Number of milk cows on farms 1/	Production of milk and milkfat 2/				
		Per milk cow		Percentage :	Total	
		: of fat in all:		milk produced:	Milk	Milkfat
		Milk	Milkfat			
	Thousands	Pounds		Percent	Million pounds	
1961	17,243	7,290	273	3.75	125,707	4,715
1962	16,842	7,496	280	3.74	126,251	4,718
1963	16,260	7,700	286	3.71	125,202	4,649
1964	15,677	8,099	300	3.70	126,967	4,699
1965	14,954	8,304	307	3.70	124,173	4,597
1966	14,093	8,507	314	3.69	119,892	4,425
1967	13,501	8,797	325	3.69	118,769	4,384
1968	13,038	8,992	330	3.67	117,234	4,305
1969	12,693	9,166	337	3.67	116,345	4,274
1970	12,483	9,385	343	3.66	117,149	4,291
1971	12,347	9,609	353	3.67	118,640	4,349

1/ Average number on farms during year, excluding heifers not yet fresh.

2/ Excludes milk sucked by calves.

Milk used and marketed by farmers, United States, 1961-71

Year	Milk used on farms where produced			Milk marketed by farmers			
	Fed to calves	Used for milk, cream and butter	Total	Sold to plants and dealers 2/		Sold directly	Total
				As whole	As farm-	to consu-	
				milk	separated cream	mers 3/	
	Million pounds						
1961	2,432	5,950	8,382	108,353	6,918	2,054	117,325
1962	2,330	5,334	7,664	110,678	5,943	1,966	118,587
1963	2,245	4,813	7,058	111,195	5,060	1,889	118,144
1964	2,152	4,337	6,489	114,176	4,439	1,863	120,478
1965	2,061	3,915	5,976	112,716	3,650	1,831	118,197
1966	1,973	3,508	5,481	109,675	2,993	1,743	114,411
1967	1,893	3,174	4,520	109,420	2,381	1,764	113,565
1968	1,823	2,891	4,714	108,767	1,973	1,780	112,520
1969	1,755	2,625	4,380	108,653	1,613	1,699	111,965
1970	1,722	2,369	4,091	110,158	1,184	1,716	113,058
1971	1,666	2,177	3,843	112,189	997	1,611	114,797

1/ Excludes milk sucked by calves.

2/ Includes milk produced by dealers' own herds.

3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

4/ Includes some milk used for other purposes on farms or not utilized.

Milk and cream marketed by farmers: Quantity, price, and cash receipts,
United States, 1961-71

Year	Milk sold to plants and dealers			Cream sold to plants and dealers			Milk sold directly to consumers		
	Quantity	Price	Cash	Quantity	Price	Cash	Quantity	Price	Cash
	: per	: 100 lb.	: receipts	: milkfat	: per lb.	: receipts	: per	: quart	: receipts
	: Mil. lb.	: Dol.	: 1,000 dol.	: 1,000 lb.	: Ct.	: 1,000 dol.	: 1,000 qt.	: Ct.	: 1,000 dol.
1961	108,353	4.22	4,568,016	254,720	61.5	156,607	955,349	21.7	207,667
1962	110,678	4.09	4,529,454	218,470	59.4	129,814	914,419	21.9	200,368
1963	111,195	4.10	4,556,278	184,530	59.5	109,886	878,605	22.2	194,727
1964	114,176	4.15	4,737,507	160,650	60.2	96,660	866,512	22.3	192,666
1965	112,716	4.23	4,766,470	132,090	61.1	80,674	851,628	22.3	189,903
1966	109,675	4.81	5,271,099	107,830	67.2	72,509	810,698	23.2	188,368
1967	109,420	5.01	5,436,449	86,290	68.2	58,829	820,465	24.0	197,147
1968	108,767	5.24	5,701,114	71,190	68.7	48,936	827,907	24.8	205,102
1969	108,653	5.49	5,961,809	58,120	68.9	40,065	790,092	25.9	204,270
1970	110,158	5.71	6,287,988	42,310	70.0	29,635	798,141	27.0	215,692
1971	112,189	5.87	6,581,030	35,820	69.0	24,700	749,303	27.9	209,262

Farm marketings, income, and value of dairy products, United States, 1961-71

Year	Combined marketings of milk and cream				Used for milk, cream and butter on farms where produced		Gross farm income from dairy products 3/	Farm value of all milk produced 2/ 4/
	Average returns 1/		Cash receipts	Milk	Value			
	Per 100 pounds milk	Per pound milkfat	from marketings	utilized	2/			
	Mil. lb.	Dollars	1,000 dol.	Mil. lb.		1,000 dollars		
1961	117,325	4.20	1.12	4,932,290	5,950	265,275	5,197,565	5,296,024
1962	118,587	4.10	1.10	4,859,636	5,334	231,515	5,091,151	5,182,148
1963	118,144	4.11	1.11	4,860,891	4,813	210,287	5,071,178	5,159,474
1964	120,478	4.17	1.13	5,026,833	4,337	192,053	5,218,886	5,304,899
1965	118,197	4.26	1.15	5,037,047	3,915	174,999	5,212,046	5,296,432
1966	114,411	4.84	1.31	5,531,976	3,508	175,885	5,707,861	5,800,216
1967	113,565	5.06	1.37	5,742,425	3,174	166,108	5,908,533	6,008,175
1968	112,520	5.29	1.44	5,955,152	2,891	157,742	6,112,894	6,206,735
1969	111,965	5.54	1.51	6,206,144	2,625	149,515	6,355,659	6,450,073
1970	113,058	5.78	1.58	6,533,315	2,369	140,199	6,673,514	6,769,548
1971	114,797	5.94	1.62	6,814,992	2,177	131,879	6,946,871	7,043,045

1/ Cash receipts divided by milk or milkfat represented in combined marketings.

2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.

3/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.

4/ Includes value of milk fed to calves. For 1967, also includes value of milk used for other purposes on farms or not utilized.

Milk cows and production of milk, milkfat, and butter by States, 1970

State	Number of milk cows on farms 1/	Production of milk and milkfat 2/				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
		Thousands	Pounds	Percent	Mil. lbs.	
Maine	67	9,239	346	3.75	619	23
N. H.	37	9,541	363	3.80	353	13
Vt.	205	9,610	360	3.75	1,970	74
Mass.	63	10,444	386	3.70	658	24
R. I.	7.4	10,135	370	3.65	75	3
Conn.	64	10,328	382	3.70	661	24
N. Y.	1,010	10,240	369	3.60	10,342	372
N. J.	69	10,580	386	3.65	730	27
Pa.	712	9,994	375	3.75	7,116	267
Ohio	454	9,736	365	3.75	4,420	166
Ind.	237	10,051	377	3.75	2,382	89
Ill.	297	9,596	345	3.60	2,850	103
Mich.	465	9,938	363	3.65	4,621	169
Wis.	1,845	9,992	370	3.70	18,435	682
Minn.	984	9,793	348	3.55	9,636	342
Iowa	497	9,396	338	3.60	4,670	168
Mo.	354	8,508	311	3.65	3,012	110
N. Dak.	141	7,553	264	3.50	1,065	37
S. Dak.	182	8,423	299	3.55	1,533	54
Nebr.	189	8,497	302	3.55	1,606	57
Kans.	200	8,700	313	3.60	1,740	63
Del.	14	9,286	344	3.70	130	5
Md.	168	9,286	348	3.75	1,560	59
Va.	222	8,027	297	3.70	1,782	66
W. Va.	59	6,678	247	3.70	394	15
N. C.	187	8,048	302	3.75	1,505	56
S. C.	66	7,758	303	3.90	512	20
Ga.	146	8,158	306	3.75	1,191	45
Fla.	191	8,592	314	3.65	1,641	60
Ky.	344	7,183	269	3.75	2,471	93
Tenn.	304	6,984	265	3.80	2,123	81
Ala.	135	6,044	227	3.75	816	31
Miss.	195	5,379	207	3.85	1,049	40
Ark.	97	7,062	258	3.65	685	25
La.	171	6,368	242	3.80	1,089	41
Okla.	147	8,503	302	3.55	1,250	44
Texas	355	8,634	311	3.60	3,065	110
Mont.	41	8,049	290	3.60	330	12
Idaho	156	9,551	349	3.65	1,490	54
Wyo.	17.6	8,239	301	3.65	145	5
Colo.	101	8,752	315	3.60	884	32
N. Mex.	35	8,686	308	3.55	304	11
Ariz.	52	11,250	394	3.50	585	20
Utah	80	10,425	381	3.65	834	30
Nev.	13.9	10,216	363	3.55	142	5
Wash.	187	11,182	425	3.80	2,091	79
Oreg.	108	8,981	355	3.95	970	38
Calif.	794	11,916	429	3.60	9,461	341
Alaska	1.8	10,333	377	3.65	18.6	1
Hawaii	12.9	10,620	361	3.40	137	5
U. S.	12,483	9,385	343	3.66	117,149	4,291

1/ Average number on farms during year, excluding heifers not yet fresh. 2/ Excludes milk sucked by calves.

Milk used and marketed by farmers by States, 1970

State	Milk used on farms where produced				Milk marketed by farmers			
	Fed to calves 1/	Used for milk, cream and butter	Total	Sold to plants and dealers 2/		Sold directly		Total
				As whole milk	As farm- separated: cream	to consumers 3/		
M i l l i o n p o u n d s								
Maine	8	12	20	585		14	599	
N. H.	4	8	12	335		6	341	
Vt.	17	18	35	1,910		25	1,935	
Mass.	5	8	13	595		50	645	
R. I.	1	1	2	69		4	73	
Conn.	8	8	16	625		20	645	
N. Y.	140	95	235	10,000	7	100	10,107	
N. J.	6	7	13	695		22	717	
Pa.	54	123	177	6,720	18	201	6,939	
Ohio	72	77	149	4,240	7	24	4,271	
Ind.	25	42	67	2,295	10	10	2,315	
Ill.	29	42	71	2,755	12	12	2,779	
Mich.	80	45	125	4,465	21	10	4,496	
Wis.	383	196	579	17,830	1	25	17,856	
Minn.	167	132	299	9,230	100	7	9,337	
Iowa	90	104	194	4,260	198	18	4,476	
Mo.	37	101	138	2,830	19	25	2,874	
N. Dak.	29	33	62	650	347	6	1,003	
S. Dak.	26	37	63	1,365	100	5	1,470	
Nebr.	32	44	76	1,360	162	8	1,530	
Kans.	33	39	72	1,610	37	21	1,668	
Del.	1	2	3	125		2	127	
Md.	14	18	32	1,520		8	1,528	
Va.	31	100	131	1,630	10	11	1,651	
W. Va.	8	45	53	325	6	10	341	
N. C.	18	138	156	1,330		19	1,349	
S. C.	6	23	29	476		7	483	
Ga.	7	35	42	1,135		14	1,149	
Fla.	6	10	16	1,525		100	1,625	
Ky.	32	148	180	2,270	3	18	2,291	
Tenn.	28	117	145	1,965		13	1,978	
Ala.	7	73	80	715		21	736	
Miss.	9	74	83	960		6	966	
Ark.	8	43	51	620		14	634	
La.	6	47	53	1,020		16	1,036	
Okla.	22	41	63	1,145	24	18	1,187	
Texas	24	80	104	2,920	3	38	2,961	
Mont.	8	25	33	255	36	6	297	
Idaho	38	32	70	1,400	8	12	1,420	
Wyo.	4	10	14	117	11	3	131	
Colo.	20	23	43	780	16	45	841	
N. Mex.	4	8	12	253		39	292	
Ariz.	6	7	13	540		32	572	
Utah	9	18	27	755	2	50	807	
Nev.	3	2	5	134	1	2	137	
Wash.	43	26	69	1,925	13	84	2,022	
Oreg.	25	23	48	880	8	34	922	
Calif.	88	27	115	8,870	4	472	9,346	
Alaska	0.3	0.5	0.8	16.8		1	17.8	
Hawaii	1	1	2	127		8	135	
U. S.	1,722	2,369	4,091	110,158	1,184	1,716	113,058	

1/ Excludes milk sucked by calves. 2/ Includes milk produced by dealers' own herds (except for New York and California, where such milk is included as sold directly to consumers). 3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

Milk and cream marketed by farmers: Quantity, price and cash receipts, by States, 1970

State	Milk sold to plants and dealers				Cream sold to plants and dealers				Milk sold directly to consumers		
	Quantity	Percent : fluid	Price : per	Cash : receipts	Quantity : milkfat	Price : per lb.	Cash : receipts	Quantity : per	Price : quart	Cash : receipts	
	: grade 1/	100 lb.:				fat :					
	: Mil. lb.	Pct.	Dol.	1,000 dol.	1,000 lb.	Ct.	1,000 dol.	1,000 qt.	Ct.	1,000 dol.	
Maine	585	100	6.85	40,072				6,512	32.0	2,084	
N. H.	335	100	6.66	22,311				2,791	31.0	865	
Vt.	1,910	100	6.45	123,195				11,628	28.0	3,256	
Mass.	595	100	6.82	40,579				23,256	31.0	7,209	
R. I.	69	100	6.69	4,616				1,860	32.0	595	
Conn.	625	100	7.01	43,812				9,302	31.0	2,884	
N. Y.	10,000	100	5.99	599,000	270	58	157	46,512	27.5	12,791	
N. J.	695	100	6.34	44,063				10,233	27.3	2,794	
Pa.	6,720	98	6.42	431,424	670	59	395	93,488	25.5	23,839	
Ohio	4,240	89	5.97	253,128	270	50	135	11,163	25.0	2,791	
Ind.	2,295	84	5.75	131,963	380	62	236	4,651	24.5	1,139	
Ill.	2,755	74	5.49	151,249	430	71	305	5,581	25.5	1,423	
Mich.	4,465	88	5.81	259,416	790	70	553	4,651	26.5	1,233	
Wis.	17,830	54	5.12	912,896	40	72	29	11,628	24.5	2,849	
Minn.	9,230	29	4.76	439,348	3,530	74	2,612	3,256	26.0	847	
Iowa	4,260	33	5.01	213,426	7,070	74	5,232	8,372	27.0	2,260	
Mo.	2,830	64	5.35	151,405	720	70	504	11,628	25.0	2,907	
N. Dak.	650	35	4.85	31,525	12,110	74	8,961	2,791	29.0	809	
S. Dak.	1,365	16	4.81	65,656	3,510	70	2,457	2,326	25.0	582	
Nebr.	1,360	43	5.20	70,720	5,700	63	3,591	3,721	26.5	986	
Kans.	1,610	72	5.67	91,287	1,340	71	951	9,767	23.5	2,295	
Del.	125	100	6.61	8,262				930	26.5	246	
Md.	1,520	100	6.56	99,712				3,721	27.4	1,020	
Va.	1,630	85	6.32	103,016	390	47	183	5,116	30.0	1,535	
W. Va.	325	2/	6.18	20,085	240	50	120	4,651	28.0	1,302	
N. C.	1,330	97	7.04	93,632				8,837	26.0	2,298	
S. C.	476	2/	7.25	34,510				3,256	25.9	843	
Ga.	1,135	100	6.95	78,882				6,512	31.0	2,019	
Fla.	1,525	100	7.41	113,002				46,512	29.8	13,861	
Ky.	2,270	64	5.45	123,715	120	60	72	8,372	24.0	2,009	
Tenn.	1,965	68	5.69	111,808				6,047	25.0	1,512	
Ala.	715	98	6.83	48,834				9,767	24.0	2,344	
Miss.	960	91	6.25	60,000				2,791	23.0	642	
Ark.	620	64	5.93	36,766				6,512	24.0	1,563	
La.	1,020	100	6.97	71,094				7,442	32.0	2,381	
Okla.	1,145	90	6.39	73,165	890	70	623	8,372	25.0	2,093	
Texas	2,920	100	6.86	200,312	110	56	62	17,674	29.0	5,125	
Mont.	255	90	5.65	14,407	1,310	68	891	2,791	25.0	698	
Idaho	1,400	27	4.86	68,040	290	64	186	5,581	24.0	1,339	
Wyo.	117	2/	5.62	6,575	400	66	264	1,395	30.0	419	
Colo.	780	2/	6.38	49,764	600	61	366	20,930	28.0	5,860	
N. Mex.	253	100	6.41	16,217				18,140	32.0	5,805	
Ariz.	540	100	6.59	35,586				14,884	29.5	4,391	
Utah	755	69	5.48	41,374	70	59	41	23,256	21.5	5,000	
Nev.	134	100	5.70	7,638	40	62	25	930	28.5	265	
Wash.	1,925	100	5.74	110,495	530	65	345	39,070	26.0	10,158	
Oreg.	880	79	5.89	51,832	340	69	235	15,814	25.0	3,954	
Calif.	8,870	90	5.35	474,545	150	69	104	219,535	27.0	59,274	
Alaska	16.8	100	10.90	1,831				465	35.0	163	
Hawaii	127	100	9.29	11,798				3,721	30.5	1,135	
U. S.	110,158	74	5.71	6,287,988	42,310	70.0	29,635	798,141	27.0	215,692	

1/ Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured dairy products.

2/ Not published to avoid disclosing individual operations for manufacturing grade milk.

Farm marketings, income, and value of dairy products, by States, 1970

State	Combined marketings of milk and cream				Used for milk, cream and butter		Gross farm income	Farm value of milk produced
	Average returns 1/:				on farms where produced		from dairy products 3/	2/ 4/
	Milk utilized	Per 100 pounds milk	Per pound milkfat	Cash receipts from marketings	Milk utilized	Value 2/		
	Mill. lb.	Dollars	1,000 dol.	Mill. lb.	1,000 dollars			
Maine	599	7.04	1.88	42,156	12	845	43,001	43,578
N. H.	341	6.80	1.79	23,176	8	544	23,720	24,004
Vt.	1,935	6.53	1.74	126,451	18	1,175	127,626	128,641
Mass.	645	7.41	2.00	47,788	8	593	48,381	48,758
R. I.	73	7.14	1.96	5,211	1	71	5,282	5,355
Conn.	645	7.24	1.96	46,696	8	579	47,275	47,856
N. Y.	10,107	6.05	1.68	611,948	95	5,747	617,695	625,691
N. J.	717	6.54	1.79	46,857	7	458	47,315	47,742
Pa.	6,939	6.57	1.75	455,658	123	8,081	463,739	467,521
Ohio	4,271	6.00	1.60	256,054	77	4,620	260,674	265,200
Ind.	2,315	5.76	1.54	133,338	42	2,419	135,757	137,203
Ill.	2,779	5.50	1.53	152,977	42	2,310	155,287	156,750
Mich.	4,496	5.81	1.59	261,202	45	2,614	263,816	268,480
Wis.	17,856	5.13	1.39	915,774	196	10,055	925,829	945,715
Minn.	9,337	4.74	1.34	442,807	132	6,257	449,064	456,746
Iowa	4,476	4.94	1.37	220,918	104	5,138	226,056	230,698
Mo.	2,874	5.39	1.48	154,816	101	5,444	160,260	162,347
N. Dak.	1,003	4.12	1.18	41,295	33	1,360	42,655	43,878
S. Dak.	1,470	4.67	1.32	68,695	37	1,728	70,423	71,591
Nebr.	1,530	4.92	1.39	75,297	44	2,165	77,462	79,015
Kans.	1,668	5.67	1.57	94,533	39	2,211	96,744	98,658
Del.	127	6.70	1.81	8,508	2	134	8,642	8,710
Md.	1,528	6.59	1.76	100,732	18	1,186	101,918	102,804
Va.	1,651	6.34	1.71	104,734	100	6,340	111,074	112,979
W. Va.	341	6.31	1.71	21,507	45	2,839	24,346	24,861
N. C.	1,349	7.11	1.90	95,930	138	9,812	105,742	107,005
S. C.	483	7.32	1.88	35,353	23	1,684	37,037	37,478
Ga.	1,149	7.04	1.88	80,901	35	2,464	83,365	83,846
Fla.	1,625	7.81	2.14	126,863	10	781	127,644	128,162
Ky.	2,291	5.49	1.46	125,796	148	8,125	133,921	135,658
Tenn.	1,978	5.73	1.51	113,320	117	6,704	120,024	121,648
Ala.	736	6.95	1.85	51,178	73	5,073	56,251	56,712
Miss.	966	6.28	1.63	60,642	74	4,647	65,289	65,877
Ark.	634	6.05	1.66	38,329	43	2,601	40,930	41,442
La.	1,036	7.09	1.87	73,475	47	3,332	76,807	77,210
Okla.	1,187	6.39	1.80	75,881	41	2,620	78,501	79,875
Texas	2,961	6.94	1.93	205,499	80	5,552	211,051	212,711
Mont.	297	5.39	1.50	15,996	25	1,347	17,343	17,787
Idaho	1,420	4.90	1.34	69,565	32	1,568	71,133	73,010
Wyo.	131	5.54	1.52	7,258	10	554	7,812	8,033
Colo.	841	6.66	1.85	55,990	23	1,532	57,522	58,874
N. Mex.	292	7.54	2.12	22,022	8	603	22,625	22,922
Ariz.	572	6.99	2.00	39,977	7	489	40,466	40,891
Utah	807	5.75	1.58	46,415	18	1,035	47,450	47,955
Nev.	137	5.79	1.63	7,928	2	116	8,044	8,222
Wash.	2,022	5.98	1.57	120,998	26	1,555	122,553	125,042
Oreg.	922	6.08	1.54	56,021	23	1,398	57,419	58,976
Calif.	9,346	5.71	1.59	533,923	27	1,542	535,465	540,223
Alaska	17.8	11.20	3.07	1,994	0.5	56	2,050	2,083
Hawaii	135	9.58	2.82	12,933	1	96	13,029	13,125
U. S.	113,058	5.78	1.58	6,533,315	2,369	140,199	6,673,514	6,769,548

1/ Cash receipts divided by milk or milkfat represented in combined marketings. 2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. 3/ Cash receipts from marketing of milk and cream plus value of milk used for home consumption and farm-churned butter. 4/ Includes value of milk fed to calves.

Milk cows and production of milk, milkfat, and butter by States, 1971

State	Number of milk cows on farms 1/	Production of milk and milkfat 2/				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milk fat
	Thousands	Pounds		Percent	Mil. lbs.	
Maine	66	9,576	359	3.75	632	24
N. H.	36	10,000	380	3.80	360	14
Vt.	205	9,902	371	3.75	2,030	76
Mass.	63	10,524	389	3.70	663	25
R. I.	6.9	10,290	376	3.65	71	3
Conn.	62	10,629	393	3.70	659	24
N. Y.	987	10,525	379	3.60	10,388	374
N. J.	65	10,523	384	3.65	684	25
Pa.	701	10,188	377	3.70	7,142	264
Ohio	446	10,007	375	3.75	4,463	167
Ind.	236	10,466	387	3.70	2,470	91
Ill.	289	9,612	351	3.65	2,778	101
Mich.	468	10,160	371	3.65	4,755	174
Wis.	1,856	10,172	376	3.70	18,879	699
Minn.	976	9,855	355	3.60	9,618	346
Iowa	474	9,656	348	3.60	4,577	165
Mo.	342	8,769	320	3.65	2,999	109
N. Dak.	135	7,496	262	3.50	1,012	35
S. Dak.	176	8,483	297	3.50	1,493	52
Nebr.	186	8,435	308	3.65	1,569	57
Kans.	194	8,851	323	3.65	1,717	63
Del.	14	9,500	351	3.70	133	5
Md.	166	9,422	349	3.70	1,564	58
Va.	219	8,219	304	3.70	1,800	67
W. Va.	55	6,836	256	3.75	376	14
N. C.	184	8,342	313	3.75	1,535	58
S. C.	65	7,908	308	3.90	514	20
Ga.	147	8,177	303	3.70	1,202	44
Fla.	194	9,201	331	3.60	1,785	64
Ky.	338	7,337	275	3.75	2,480	93
Tenn.	293	7,317	278	3.80	2,144	81
Ala.	134	6,172	238	3.85	827	32
Miss.	188	5,431	206	3.80	1,021	39
Ark.	97	7,299	266	3.65	708	26
La.	168	6,720	255	3.80	1,129	43
Okla.	145	8,690	308	3.55	1,260	45
Texas	355	9,124	328	3.60	3,239	117
Mont.	40	8,425	308	3.65	337	12
Idaho	154	10,104	369	3.65	1,556	57
Wyo.	17	8,353	297	3.55	142	5
Colo.	101	8,960	323	3.60	905	33
N. Mex.	33	9,455	340	3.60	312	11
Ariz.	53	11,700	415	3.55	620	22
Utah	82	10,427	381	3.65	855	31
Nev.	13.9	10,144	365	3.60	141	5
Wash.	193	11,554	439	3.80	2,230	85
Oreg.	106	9,509	380	4.00	1,008	40
Calif.	810	11,985	431	3.60	9,708	349
Alaska	1.8	9,500	352	3.70	17.1	1
Hawaii	12.8	10,391	348	3.35	133	4
U. S.	12,347	9,609	353	3.67	118,640	4,349

1/ Average number on farms during year, excluding heifers not yet fresh. 2/ Excludes milk sucked by calves.

Milk used and marketed by farmers, by States, 1971

State	Milk used on farms where produced			Milk marketed by farmers			
	Fed to calves 1/	Used for milk, cream and butter	Total	Sold to plants and dealers 2/		Sold directly to consumers 3/	Total
				As whole milk	As farm- separated cream		
M i l l i o n p o u n d s							
Maine	7	11	18	600		14	614
N. H.	4	7	11	343		6	349
Vt.	17	19	36	1,970		24	1,994
Mass.	5	8	13	600		50	650
R. I.	1	1	2	67		2	69
Conn.	7	7	14	625		20	645
N. Y.	141	95	236	10,045	7	100	10,152
N. J.	6	6	12	650		22	672
Pa.	36	116	152	6,775	15	200	6,990
Ohio	70	70	140	4,295	5	23	4,323
Ind.	24	36	60	2,390	10	10	2,410
Ill.	26	36	62	2,695	10	11	2,716
Mich.	80	47	127	4,595	21	12	4,628
Wis.	386	188	574	18,285		20	18,305
Minn.	164	124	288	9,250	73	7	9,330
Iowa	90	96	186	4,215	160	16	4,391
Mo.	35	93	128	2,830	18	23	2,871
N. Dak.	25	34	59	660	288	5	953
S. Dak.	24	34	58	1,345	85	5	1,435
Nebr.	29	41	70	1,355	136	8	1,499
Kans.	32	40	72	1,590	35	20	1,645
Del.	1	2	3	128		2	130
Md.	13	18	31	1,525		8	1,533
Va.	29	94	123	1,655	10	12	1,677
W. Va.	7	31	38	324	5	9	338
N. C.	18	138	156	1,360		19	1,379
S. C.	6	22	28	478		8	486
Ga.	8	31	39	1,150		13	1,163
Fla.	6	10	16	1,680		89	1,769
Ky.	31	134	165	2,300		15	2,315
Tenn.	24	102	126	2,005		13	2,018
Ala.	7	60	67	740		20	760
Miss.	7	59	66	950		5	955
Ark.	7	46	53	640		15	655
La.	5	33	38	1,075		16	1,091
Okla.	21	38	59	1,160	23	18	1,201
Texas	23	68	91	3,105	3	40	3,148
Mont.	7	19	26	269	36	6	311
Idaho	35	31	66	1,470	7	13	1,490
Wyo.	4	10	14	115	10	3	128
Colo.	19	23	42	800	16	47	863
N. Mex.	3	7	10	264		38	302
Ariz.	5	7	12	575		33	608
Utah	9	17	26	790	2	37	829
Nev.	3	2	5	132	2	2	136
Wash.	43	26	69	2,045	10	106	2,161
Oreg.	25	18	43	910	8	47	965
Calif.	90	20	110	9,225	2	371	9,598
Alaska	0.3	0.4	0.7	15.4		1	16.4
Hawaii	1	1	2	124		7	131
U. S.	1,666	2,177	3,843	112,189	997	1,611	114,797

1/ Excludes milk sucked by calves. 2/ Includes milk produced by dealers' own herds (except for New York and California, where such milk is included as milk sold directly to consumers). 3/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

Milk and cream marketed by farmers: Quantity, price and cash receipts, by States, 1971

State	Milk sold to plants				Cream sold to plants				Milk sold directly		
	and dealers				and dealers				to consumers		
	Quantity	fluid	Price	Cash	Quantity	Price	Cash	Quantity	Price	Cash	
	grade 1/	per	per	receipts	milkfat	per lb.	per lb.	per	per	receipts	
	Mil. lb.	Pct.	Dol.	1,000 dol.	1,000 lb.	Ct.	1,000 dol.	1,000 qt.	Ct.	1,000 dol.	
Maine.	600	100	7.02	42,120				6,512	33.0	2,149	
N. H.	343	100	6.81	23,358				2,791	31.0	865	
Vt.	1,970	100	6.62	130,414				11,163	29.0	3,237	
Mass.	600	100	6.94	41,640				23,256	31.0	7,209	
R. I.	67	100	6.84	4,583				930	33.0	307	
Conn.	625	100	7.14	44,625				9,302	32.0	2,977	
N. Y.	10,045	100	6.12	614,754	270	51	138	46,512	29.0	13,488	
N. J.	650	100	6.49	42,185				10,233	28.6	2,927	
Pa.	6,775	98	6.52	441,730	560	59	330	93,023	25.5	23,721	
Ohio	4,295	90	6.13	263,283	190	51	97	10,698	25.0	2,675	
Ind.	2,390	85	5.90	141,010	380	68	258	4,651	25.0	1,163	
Ill.	2,695	75	5.64	151,998	360	71	256	5,116	26.0	1,330	
Mich.	4,595	89	5.96	273,862	790	71	561	5,581	26.5	1,479	
Wis.	18,285	57	5.31	970,933				9,302	24.5	2,279	
Minn.	3,250	33	4.96	458,800	2,590	74	1,917	3,256	26.0	847	
Iowa	4,215	34	5.13	216,229	5,730	75	4,298	7,442	28.0	2,084	
Mo.	2,830	65	5.46	154,518	680	69	469	10,698	26.0	2,781	
N. Dak.	660	36	4.96	32,736	10,050	71	7,136	2,326	30.0	698	
S. Dak.	1,345	17	5.00	67,250	2,980	69	2,056	2,326	25.0	582	
Nebr.	1,355	46	5.34	72,357	4,900	62	3,038	3,721	26.0	967	
Kans.	1,590	74	5.77	91,743	1,280	69	883	9,302	26.0	2,419	
Del.	128	100	6.73	8,614				930	27.5	256	
Md.	1,525	100	6.72	102,480				3,721	28.5	1,060	
Va.	1,655	87	6.51	107,740	390	48	187	5,581	32.0	1,786	
W. Va.	324	2/	6.40	20,736	200	47	94	4,186	29.0	1,214	
N. C.	1,360	97	7.27	98,872				8,837	27.0	2,386	
S. C.	478	100	7.41	35,420				3,721	32.5	1,209	
Ga.	1,150	100	6.92	79,580				6,047	32.0	1,935	
Fla.	1,680	100	7.65	128,520				41,395	30.6	12,667	
Ky.	2,300	66	5.55	127,650				6,977	25.0	1,744	
Tenn.	2,005	70	5.74	115,087				6,047	30.0	1,814	
Ala.	740	97	7.17	53,058				9,302	25.0	2,326	
Miss.	950	92	6.43	61,085				2,326	24.0	558	
Ark.	640	64	6.11	39,104				6,977	24.0	1,674	
La.	1,075	100	6.96	74,820				7,442	33.0	2,456	
Okla.	1,160	89	6.22	72,152	850	72	612	8,372	26.0	2,177	
Texas	3,105	100	6.95	215,797	110	53	58	18,605	34.0	6,326	
Mont.	269	91	5.73	15,414	1,320	67	884	2,791	25.0	698	
Idaho	1,470	28	5.09	74,823	260	64	166	6,047	24.0	1,451	
Wyo.	115	2/	5.82	6,693	360	66	238	1,395	31.0	432	
Colo.	800	2/	6.51	52,080	600	62	372	21,860	28.0	6,121	
N. Mex.	264	100	6.89	18,190				17,674	34.0	6,009	
Ariz.	575	100	6.78	38,985				15,349	22.0	3,377	
Utah	790	70	5.65	44,635	70	60	42	17,209	22.0	3,786	
Nev.	132	100	6.05	7,986	70	61	43	930	29.0	270	
Wash.	2,045	100	5.93	121,268	410	67	275	49,302	27.0	13,312	
Oreg.	910	81	6.07	55,237	340	70	238	21,860	25.9	5,662	
Calif.	9,225	89	5.54	511,065	80	68	54	172,558	28.5	49,179	
Alaska	15.4	100	10.85	1,671				465	36.0	167	
Hawaii	124	100	9.79	12,140				3,256	31.5	1,026	
U. S.	112,189	76	5.87	6,531,030	35,820	69.0	24,700	749,303	27.9	209,262	

1/ Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured dairy products.

2/ Not published to avoid disclosing individual operations for manufacturing grade milk.

Farm marketings, income and value of dairy products, by States, 1971

State	Combined marketings of milk and cream				Used for milk, cream and butter		Gross farm income	Farm value of milk produced
	Average returns 1/				on farms where produced		from dairy products 3/	2/ 4/
	Milk utilized	Per 100 pounds milk	Per pound milkfat	Cash receipts from marketings	Milk utilized	Value 2/		
	Mil. lb.	Dollars		1,000 dol.	Mil. lb.	1,000 dollars		
Maine	614	7.21	1.92	44,269	11	793	45,062	45,567
N. H.	349	6.94	1.83	24,223	7	486	24,709	24,984
Vt.	1,994	6.70	1.79	133,651	19	1,273	134,924	136,010
Mass.	650	7.52	2.03	48,849	8	602	49,451	49,858
R. I.	69	7.09	1.94	4,890	1	71	4,961	5,034
Conn.	645	7.38	1.99	47,602	7	517	48,119	48,634
N. Y.	10,152	6.19	1.72	628,380	95	5,880	634,260	643,017
N. J.	672	6.71	1.84	45,112	6	403	45,515	45,896
Pa.	6,990	6.66	1.80	465,781	116	7,726	473,507	475,657
Ohio	4,323	6.15	1.64	266,055	70	4,305	270,360	274,474
Ind.	2,410	5.91	1.60	142,431	36	2,128	144,559	145,977
Ill.	2,716	5.65	1.55	153,584	36	2,034	155,618	156,957
Mich.	4,628	5.96	1.63	275,902	47	2,801	278,703	283,398
Wis.	18,305	5.32	1.44	973,212	188	10,002	983,214	1,004,363
Minn.	9,330	4.95	1.37	461,564	124	6,138	467,702	476,091
Iowa	4,391	5.07	1.41	222,611	96	4,867	227,478	232,054
Mo.	2,871	5.50	1.51	157,768	93	5,115	162,883	164,945
N. Dak.	953	4.26	1.22	40,570	34	1,448	42,018	43,111
S. Dak.	1,435	4.87	1.39	69,888	34	1,656	71,544	72,709
Nebr.	1,499	5.09	1.39	76,362	41	2,087	78,449	79,862
Kans.	1,645	5.78	1.58	95,045	40	2,312	97,357	99,243
Del.	130	6.82	1.84	8,870	2	136	9,006	9,071
Md.	1,533	6.75	1.82	103,540	18	1,215	104,755	105,570
Va.	1,677	6.54	1.77	109,713	94	6,148	115,861	117,720
W. Va.	338	6.52	1.74	22,044	31	2,021	24,065	24,515
N. C.	1,379	7.34	1.96	101,258	138	10,129	111,387	112,669
S. C.	486	7.54	1.93	36,629	22	1,659	38,288	38,756
Ga.	1,163	7.01	1.89	81,515	31	2,173	83,688	84,260
Fla.	1,769	7.98	2.22	141,187	10	798	141,985	142,443
Ky.	2,315	5.59	1.49	129,394	134	7,491	136,885	138,632
Tenn.	2,018	5.79	1.52	116,901	102	5,906	122,807	124,138
Ala.	760	7.29	1.89	55,384	60	4,374	59,758	60,288
Miss.	955	6.45	1.70	61,643	59	3,805	65,448	65,854
Ark.	655	6.23	1.71	40,778	46	2,866	43,644	44,108
La.	1,091	7.08	1.86	77,276	33	2,336	79,612	79,933
Okla.	1,201	6.24	1.76	74,941	38	2,371	77,312	78,624
Texas	3,148	7.06	1.96	222,181	68	4,801	226,982	228,673
Mont.	311	5.46	1.50	16,996	19	1,037	18,033	18,400
Idaho	1,490	5.13	1.41	76,440	31	1,590	78,030	79,823
Wyo.	128	5.75	1.62	7,363	10	575	7,938	8,165
Colo.	863	6.79	1.89	58,573	23	1,562	60,135	61,449
N. Mex.	302	8.01	2.22	24,199	7	561	24,760	24,991
Ariz.	608	6.97	1.96	42,362	7	488	42,850	43,214
Utah	829	5.85	1.60	48,463	17	994	49,457	50,017
Nev.	136	6.10	1.69	8,299	2	122	8,421	8,601
Wash.	2,161	6.24	1.64	134,855	26	1,622	136,477	139,152
Oreg.	965	6.34	1.58	61,137	18	1,141	62,278	63,907
Calif.	9,598	5.84	1.62	560,298	20	1,168	561,466	566,947
Alaska	16.4	11.21	3.03	1,838	0.4	45	1,883	1,917
Hawaii	131	10.05	3.00	13,166	1	101	13,267	13,367
U. S.	114,797	5.94	1.62	6,814,992	2,177	131,879	6,946,871	7,043,045

1/ Cash receipts divided by milk or milkfat represented in combined marketings. 2/ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. 3/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter. 4/ Includes value of milk fed to calves.

Supply and utilization of milk, United States, 1966-71

Item	1966	1967	1968	1969	1970	1971
Million pounds						
Milk production	119,892	118,769	117,234	116,345	117,149	118,640
Net imports of ingredients (M.E.) 1/	1,431	1,334	172	316	502	179
Net change in storage cream (M.E.) 2/	-60	43	24	-22	29	31
Total supply	121,263	120,146	117,430	116,639	117,680	118,850
<u>Utilization (milk equivalent)</u>						
Used in manufactured products--						
Creamery butter, total M. E.	25,084	27,563	26,393	25,175	25,586	25,714
M. E. of butter from whey cream	1,413	1,457	1,481	1,511	1,661	1,764
Net milk equivalent	23,671	26,106	24,912	23,664	23,925	23,950
Cheese:						
American	12,154	12,701	12,716	12,668	14,266	15,179
Other	4,521	4,507	4,660	4,958	5,300	5,878
Cottage cheese, creamed	1,044	1,050	1,094	1,154	1,248	1,300
Canned milk:						
Evaporated	3,516	3,087	2,851	2,940	8/2,686	2,616
Sweetened condensed	287	141	195	190		
Bulk condensed whole milk:						
Unsweetened	706	636	679	542	475	428
Sweetened	152	149	159	147	104	94
Dry whole milk	698	547	589	520	507	574
Ice cream and other frozen dairy products, total M. E.	12,476	12,505	13,037	13,030	13,078	13,212
M. E. of butter and condensed milk used in ice cream	6/1,998	6/1,967	2,058	2,011	1,987	2,011
Net milk equivalent	10,508	10,538	10,979	11,019	11,091	11,201
Other manufactured products 3/	643	308	396	426	390	528
Total manufactured products	57,900	59,770	59,230	58,228	59,992	61,748
Used in fluid products--						
Sold by dealers	53,657	52,236	51,920	51,101	50,284	50,189
Sold by producers						
directly to consumers 4/	1,743	1,764	1,780	1,699	1,716	1,611
Total fluid sales	55,400	54,000	53,700	52,800	52,000	51,800
Used on farms where produced--						
Fed to calves	1,973	1,893	1,823	1,755	1,722	1,666
Consumed as fluid milk, cream and farm-churned butter	3,508	3,174	2,891	2,625	2,369	2,177
Total used on farms	5,481	7/5,205	4,714	4,380	4,091	3,843
Residual 5/	2,482	1,171	-214	1,231	1,597	1,459
Total utilization	121,263	120,146	117,430	116,639	117,680	118,850

1/ Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures. 2/ Whole milk equivalent of net out-of-storage movement of fluid and plastic cream during the year. A negative figure represents a net movement of cream into storage. 3/ Whole milk equivalent of dry cream, malted milk powder, part-skim dry milk, dry or concentrated ice cream mix, dehydrated butterfat and other miscellaneous products using milkfat. 4/ Sales directly to consumers by producers who sell only milk from their own herds. Also includes milk produced by institutional herds. 5/ Residual, includes minor miscellaneous uses and any inaccuracies in production and utilization estimates. 6/ Without adjustment for imported butterfat-sugar mixtures which may have replaced butter and condensed milk used in ice cream. 7/ Includes some milk used for other purposes on farms or not utilized. 8/ Total evaporated and sweetened condensed.

Fluid grade milk 76 percent of deliveries to plants

Fluid grade milk accounted for 76 percent of all whole milk sold to plants and dealers, 2 percentage points more than in 1970. During 1971, all milk marketed in 21 States was fluid grade. Fluid grade milk accounted for less than half of the total milk marketed in Idaho and all West North Central States except Missouri and Kansas.

Supply and utilization of milk

Data on milk supply and utilization (page 14) are published in whole-milk equivalent, based on the milkfat content of ingredients and products. The total supply consists of milk production plus the milk equivalent of net imports of dairy manufacturing ingredients and net out-of-storage movement of cream. Data on milk used in manufactured products are based on total milkfat required to produce the products and include the milk equivalent of any imported ingredients used. Consumption of fluid milk and cream is reported in separate estimates of sales by dealers, sales by producers directly to consumers, and milk consumed on farms where produced.

Fluid grade milk as percent of all milk sold by farmers
to plants and dealers, by regions, 1962-71 1/

Region	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	Percent									
North Atlantic	99	99	99	99	99	99	99	99	99	99
East North Central:	58	60	59	60	61	60	62	66	68	70
West North Central:	29	29	28	28	28	29	31	35	38	40
South Atlantic	91	92	92	93	94	94	95	95	96	97
South Central	74	75	76	78	80	80	81	83	84	85
Western	76	78	82	82	84	84	84	85	85	85
United States	67	68	68	69	69	70	70	73	74	76

1/ Percentage eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured products.

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